BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of Work: Drilling of Borewell and Erection of Pupmset, Electrification to Borewells at Kattigenahalli, Palanahalli, Thirumenahalli and surrounding area in ward no. 05 Kogilu.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	5.00	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including econnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test	Each BW	5446.64	Rupees Five Thousand Four Hundred Forty Six and Sixty Four Paise Only
2	250.00	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) 0-50mtrs	Rmt	381.10	Rupees Three Hundred Eighty One and Ten Paise Only
3	250.00	50-100mtrs	Rmt	477.92	Rupees Four Hundred Seventy Seven and Ninety Two Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
4	250.00	100-150mtrs	Rmt	507.79	Rupees Five Hundred Seven and Seventy Nine Paise Only
5	250.00	150-200mtrs	Rmt	589.16	Rupees Five Hundred Eighty Nine and Sixteen Paise Only
6	250.00	200-250mtrs	Rmt	691.13	Rupees Six Hundred Ninety One and Thirteen Paise Only
7	250.00	250-300mtrs	Rmt	762.20	Rupees Seven Hundred Sixty Two and Twenty Paise Only
8	250.00	300-350mtrs	Rmt	894.04	Rupees Eight Hundred Ninety Four and Four Paise Only
9	250.00	350-400mtrs	Rmt	965.11	Rupees Nine Hundred Sixty Five and Eleven Paise Only
10	300.00	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty.	Rmt	1990.99	Rupees One Thousand Nine Hundred Ninety and Ninety Nine Paise Only
11	5.00	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge	Each	168.92	Rupees One Hundred Sixty Eight and Ninety Two Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
12	117000.00	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	Sq. Cm	0.43	and Forty Three Paise Only
13	5.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI Union confirming to IS 1239-II, 1991 with latest amendments if any	Each	275.01	Rupees Two Hundred Seventy Five and One Paise Only
14	15.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.	Each	219.39	Rupees Two Hundred Nineteen and Thirty Nine Paise Only
15	15.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any.	Each	275.01	Rupees Two Hundred Seventy Five and One Paise Only
16	5.00	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Job	6695.00	Rupees Six Thousand Six Hundred Ninety Five Only
17	5.00	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	Job	1493.50	Rupees One Thousand Four Hundred Ninety Three and Fifty Paise Only
18	0.08	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm)	Km	141842.00	Rupees One Hundred Forty One Thousand Eight Hundred Forty Two Only
19	5.00	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job	3862.50	Rupees Three Thousand Eight Hundred Sixty Two and Fifty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
20	5.00	Providing,Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3½x6 Sqm	Each	386.25	Rupees Three Hundred Eighty Six and Twenty Five Paise Only
21	5.00	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5"	Each	326.13	Rupees Three Hundred Twenty Six and Thirteen Paise Only
22	5.00	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00"	Each	80301.89	Rupees Eighty Thousand Three Hundred One and Eighty Nine Paise Only
23	290.00	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 MM Dia	Each	3141.50	Rupees Three Thousand One Hundred Forty One and Fifty Paise Only
24	3750.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtr	245.00	Rupees Two Hundred Forty Five Only
25	5.00	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	8764.00	Rupees Eight Thousand Seven Hundred Sixty Four Only
26	5.00	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	1738.64	Rupees One Thousand Seven Hundred Thirty Eight and Sixty Four Paise Only
27	5.00	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	1287.50	Rupees One Thousand Two Hundred Eighty Seven and Fifty Paise Only
28	5.00	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box.	Per 3 Pole	1184.50	Rupees One Thousand One Hundred Eighty Four and Fifty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
29	15.00	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete….	No.	401.00	Rupees Four Hundred One Only
30	792.00	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm wherever necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum	269.86	Rupees Two Hundred Sixty Nine and Eighty Six Paise Only
31	2200.00	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.75mm(weight of pipe - 0.917 kg)	Mtr	226.60	Rupees Two Hundred Twenty Six and Sixty Paise Only
32	792.00	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications.	Cum	164.80	Rupees One Hundred Sixty Four and Eighty Paise Only

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))